

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	20	US-4050435-\$.DID. OR US-4161166-\$.DID. OR US-4206728-\$.DID. OR US-4423709-\$.DID. OR US-5000145-\$.DID. OR US-5327858-\$.DID. OR US-5564386-\$.DID. OR US-6722349-\$.DID. OR US-6732685-\$.DID. OR US-6772742-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 09:37
S2	2	("6006706").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 08:18
S3	527114	high adj pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:19
S4	307303	low adj pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:19
S5	135980	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:19
S6	764	(123/90.12).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 08:24
S7	191	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 08:55
S8	221	S6 and cam and camshaft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:29
S9	56	S8 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:36

## EAST Search History

S10	10	("4592319"   "4892067"   "5005540"   "5127375"   "5216988"   "5839400"   "6085705"   "6321701"   "6412457"   "6510824").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/21 08:31
S11	4776	High adj pressure adj source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:36
S12	2770	low adj pressure adj source	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:36
S13	27	S11 and S12 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 10:02
S14	0	de-4229186-	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 09:38
S15	2	("6101998").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 10:02
S16	21876627	@ad<"20020204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 10:09
S17	125	S7 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 10:24
S18	2	("5839453").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 10:32
S19	2	("6067946").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 10:34
S20	2	("6135073").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 10:48

## EAST Search History

S21	2	("6415752").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 11:09
S22	2	("4296911").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/21 11:09
S23	101	((mechanical cam) and fluid\$4 and sensor and compression and open).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 12:47
S24	124	(plunger and piston and aperture and cylinder and control).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/11 13:17
S25	3654	compression with stroke with valve with open	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:00
S26	4367	(123/90.12,90.15,90.16).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 07:00
S27	257	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:03
S28	0	brayant.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:01
S29	7309	bryant.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:01
S30	1	S27 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:01

## EAST Search History

S31	1801	S25 with during	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:04
S32	159	S31 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/15 07:19
S33	2	("5626116").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 07:47
S34	2	("6135073").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 07:48
S35	2	("6006706").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 09:55
S36	2	("6135073").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 10:03
S37	2	("6101998").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/15 10:03
S38	2	("5611304").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/18 06:59
S39	2	("5626116").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/18 07:01
S40	25125	compression adj stroke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:01
S41	19059	crank adj angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:01

## EAST Search History

S42	781	S40 with S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:02
S43	183	S40 near2 S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:11
S44	3	("3672341"   "5832880"   "5875743").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 07:09
S45	3	"528" adj degrees	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 07:09
S46	669	"35" with "500" with degrees	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 07:10
S47	1	S42 with "500" with degrees	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 07:10
S48	6	S40 near2 S41 near degrees	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:12
S49	12	S40 near2 S41 near2 degrees	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/18 07:12
S50	13	("4196701"   "5165374"   "5632244"   "5771858"   "5878712"   "5881694"   "5992372"   "6062192"   "6073596"   "6234139"   "6318336"   "6357423"   "6467454").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/18 07:35
S51	2	("6006706").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/18 08:18
S52	2	("6135073").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/18 08:18
S53	4	((("5669341") or ("7051687"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/19 05:47

## EAST Search History

S54	3	("2874685").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/19 05:47
S55	6	leman-scott.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 08:59
S56	0	pierpont-david.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 08:55
S57	2	("4833971").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/25 09:01
S58	258	(valve and compression and stroke and actuator and (fluid\$4 hydraulic)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:02
S59	4928	(123/90.12,90.15,90.16).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/25 09:03
S60	60	S58 and S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:27
S61	40319	intake adj valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:27
S62	19367	S61 with open\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:27
S63	952	S62 with (compression adj stroke)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:28

## EAST Search History

S64	226	S59 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:28
S65	18	S63 with hydraulic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:39
S66	26534	compression adj stroke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:39
S67	2323	S66 with valve with closed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:39
S68	428	S66 near2 valve near2 (open closed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 09:40
S69	33	S59 and S68	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:15
S70	595251	high adj pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:15
S71	345844	low adj pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:16
S72	89411	S70 with S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:16
S73	927	(123/90.12).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:16

## EAST Search History

S74	175	S72 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:16
S75	22020391	@ad<"20020204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:16
S76	96	S74 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:16
S77	244	valve near2 open near2 compression near stroke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:43
S78	4	S73 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:43
S79	1	S75 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:45
S80	2916	S66 with open with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/25 10:56